

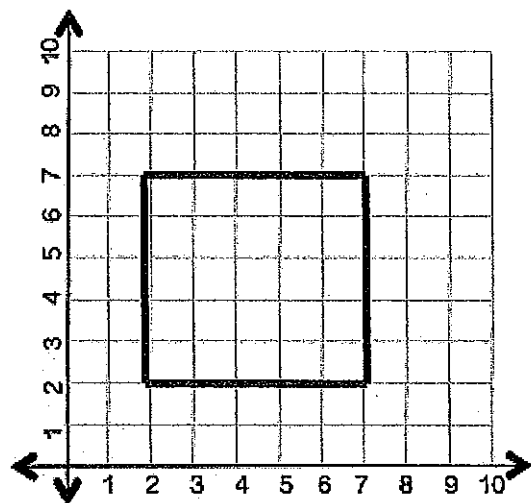
ROCK the PARCC

Page #1

1. Kerri has 48 cupcakes, 24 cookies, and 32 brownies. What is the greatest common factor Kerri can use to divide the desserts into equal piles?

- A. 9
- B. 8
- C. 7
- D. 10

2. Harry drew a quadrilateral on the coordinate grid, as shown below.



What are the coordinates of the vertices of the quadrilateral?

(____, ____) (____, ____)

(____, ____) (____, ____)

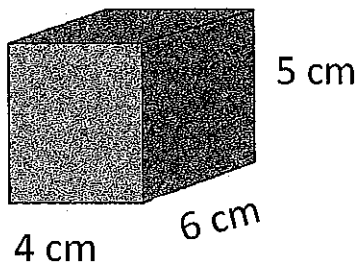
3. Lucas ran outside for $1\frac{2}{4}$ hours. Then he ran for another $\frac{1}{2}$ hour. How long did he run in all?



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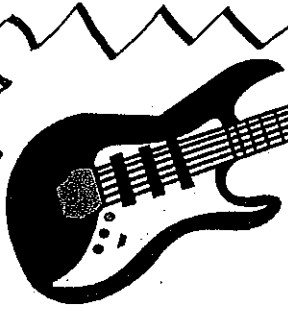
4. What is the volume of the following model?



5. Rocky drank $\frac{3}{20}$ of a gallon of water. Which of the following is equivalent to $\frac{3}{20}$?

- A. 0.3
- B. 0.30
- C. 0.15
- D. 0.5

6. What is the area of a rectangle that has a length of $3\frac{1}{4}$ inches and a width of $2\frac{1}{2}$ inches?



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10. Which two answers show the number 23.04 written correctly?

A. $2 \times 1 + 3 \times 10 + (4 \times \frac{1}{100})$

B. twenty three and four tenths

C. twenty three and four hundredths

D. $2 \times 10 + 3 \times 1 + (4 \times \frac{1}{100})$

11. There are 345 people at an event and they each paid \$25 to get in. How much money was spent altogether to get into the party?

12. What is the value of the expression below?

$$(3^2 \times 4) - 8$$

A. 28

B. 4

C. 16

D. 29



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13. Taylor ran on Monday for 2.3 hours, Tuesday for 2.24 hours, and Wednesday for 1.50 hours. What was the total time that Taylor ran for those three days?

14. A grocery store scale is used to weigh a bag of vegetables. The scale shows 9.654 oz. What is this value rounded to the nearest tenth of an ounce?

A. 10 oz.

B. 9.6 oz.

C. 9.7 oz.

D. 9.65 oz.

15. A concert venue sold \$531 worth of tickets. Each ticket costs the same amount. Which of these could be the cost of each ticket? Select all possible answers.

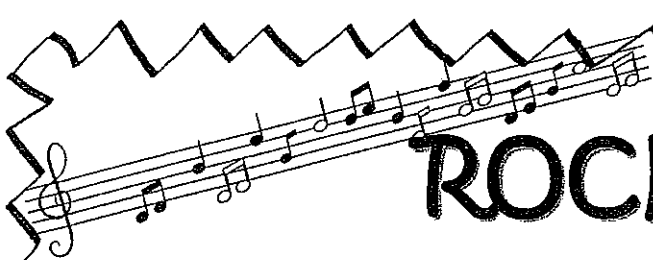
A. \$9

B. \$10

C. \$3

D. \$15

E. \$27



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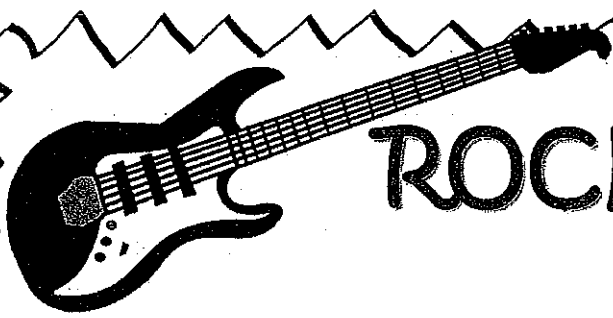
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16. Part A: There are 300 men and women at an after school meeting. $\frac{3}{5}$ of the people are women. How many women are there at the meeting?

Part B: How many men are there?

17. Jimmy has 4 boxes and each one weighs 6.7 pounds. How much do the boxes weigh in total?

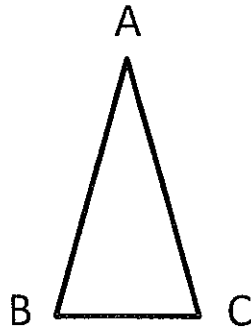
18. Karen travels 1,176 miles in 7 days. How many miles does she travel per day?



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19. Judy drew the triangle ABC below.



Based on the side lengths, what type of triangle is ABC?

How do you know? _____

20. $7\frac{1}{6} - 5\frac{2}{3} =$

A. $2\frac{1}{3}$

B. $2\frac{1}{2}$

C. $1\frac{5}{6}$

D. $1\frac{1}{2}$



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21. The table below shows the prices for an amusement park.

Adult	\$15
Child	\$10
Senior	\$11

Steven's family paid exactly \$37 for amusement park tickets. Which set of tickets could they have bought?

- A. 3 children, 1 senior
- B. 2 adults, 1 child
- C. 1 adult, 2 seniors
- D. 3 adults

22. Find the prime factorization of 160.

23.

Salsa Recipe

$\frac{3}{4}$ cup of tomatoes

$\frac{1}{2}$ cup of onions

$\frac{1}{4}$ tbsp. of salt

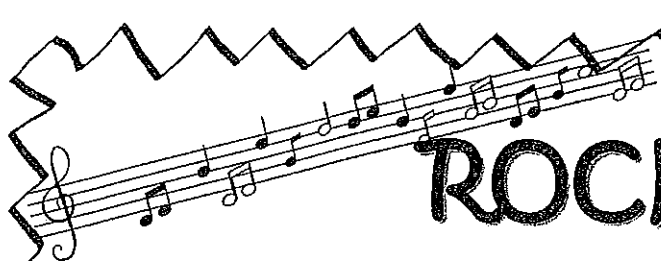
Mark wants to triple his salsa recipe. How much of each ingredient will he need now?

Salsa Recipe

_____ cup of tomatoes

_____ cup of onions

_____ tbsp. of salt



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24. The following table shows the amount of rainfall in town over the past 4 weeks.

Week 1	Week 2	Week 3	Week 4
0.45 in.	0.4 in.	0.04 in.	0.144 in.

Put the following amounts in order from least to greatest.

_____, _____, _____, _____

25. An expression is shown.

$$\frac{3}{4} + \frac{1}{12} =$$

Which expressions have like denominators that could be used as the next step to add the two fractions?

A. $\frac{3}{4} + \frac{1}{4}$

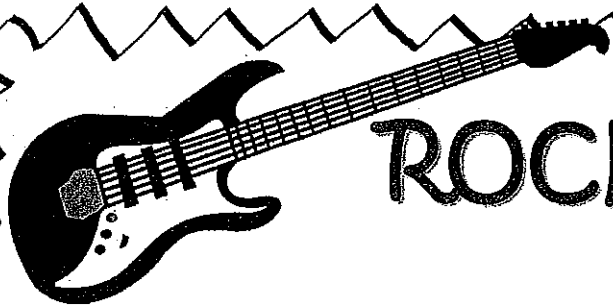
B. $\frac{9}{12} + \frac{1}{12}$

C. $\frac{3}{12} + \frac{1}{12}$

D. $\frac{6}{12} + \frac{1}{12}$

26. Evaluate the expression.

$$(8^2 \times 1^3) \times 2$$



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Page #10

27. Karen drew an area model to solve 765×24 .

	700	L	M
20	O	1,200	80
N	2,800	P	Q

What are the values of the following letters:

L: _____ M: _____ N: _____

O: _____ P: _____ Q: _____

What is the product of 765×24 ? _____

28. What is the remainder when 436 is divided by 5?

A. 6

B. 3

C. 1

D. 2

29. A rectangular present has a length of 40 inches, a width of 20 inches, and a height that is the same number of inches as the width. What is the volume of the present?

A. 160,000 cubic inches

B. 1,600 cubic inches

C. 800 cubic inches

D. 16,000 cubic inches



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37. Kylie put $\frac{5}{6}$ of her books on a shelf. Later that day she took off $\frac{1}{4}$ of the books and gave them to her sister.

Which expression can be used to find how many books Kylie has left on her shelf?

A. $\frac{10}{12} - \frac{3}{12}$

B. $\frac{5}{10} - \frac{1}{10}$

C. $\frac{15}{12} - \frac{3}{12}$

D. $\frac{10}{12} - \frac{4}{12}$

38. Which expression matches the statement, "subtract 4 from 20 and divide by 8"?

A. $8 \div 4 - 20$

B. $4 - 20 \div 8$

C. $(20 - 4) \div 8$

D. $8 \div (20 - 4)$